Quick Start Guide

Compact 22 LE (920013 s/n 75000 & up)

- Step 1: Assemble Handlebar
- Step 2: Install Discharge Chute
- Step 3: Install Discharge Chute Crank
- Step 4: Check Function of Dual Handle Interlock
- Step 5: Check Tire Pressure
- Step 6: Adjust Skid Shoes
- Step 7: Check Auger Gearcase Oil
- Step 8: Check Engine Crankcase Oil
- Step 9: Fill Engine Fuel Tank
- Step 10: Starting the Engine
- Step 11: Stopping the Engine

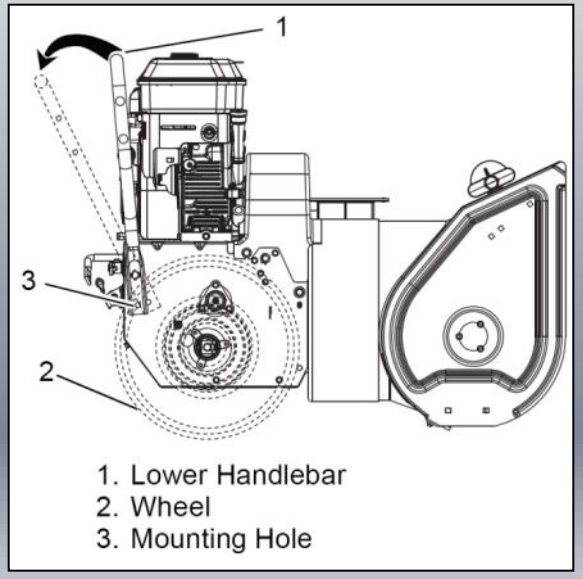
READ AND UNDERSTAND ALL INSTRUCTION, WARNING, AND DANGER LABELS. **IMPORTANT:** READ OPERATOR'S MANUAL AND ENGINE MANUAL THOROUGHLY AND FOLLOW THE IMPORTANT SAFE OPERATION PRACTICES BEFORE OPERATING.

Step One: Assemble Handlebars

NOTE: The Ariens company has made changes to packaging that affects this serial number range.

If the upper handlebars on your unit came already attached please disregard the following five slides.

Not attached



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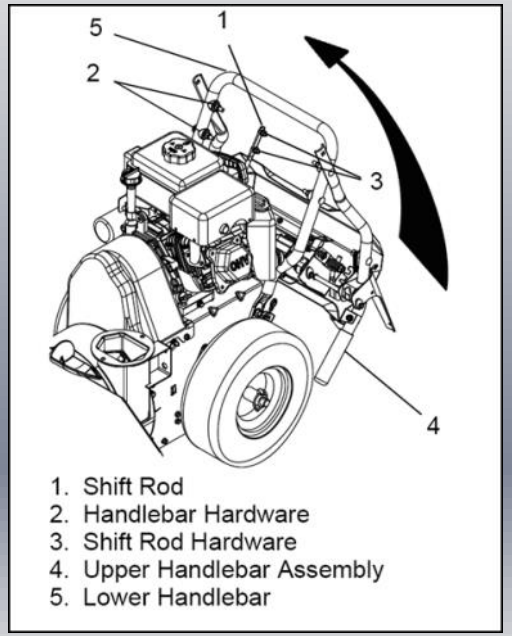


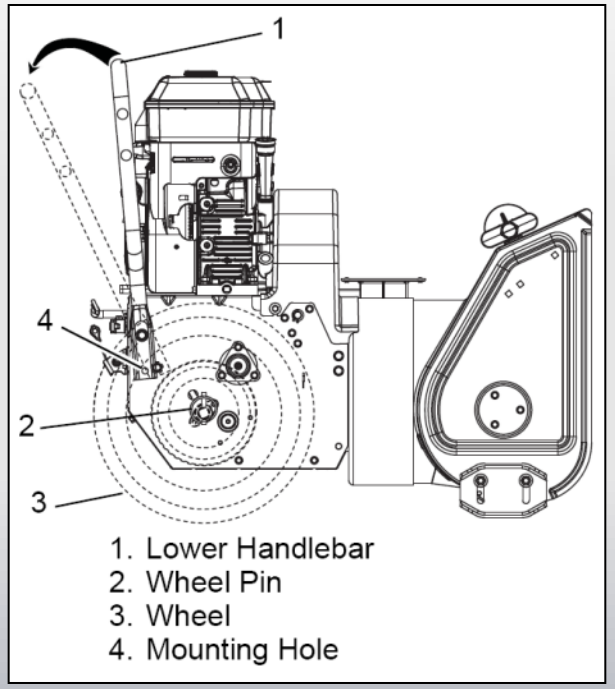
Step One: Assemble Handlebars (Unfold Lower Handlebar)

NOTE: This slide applies to UNATTACHED handlebars ONLY

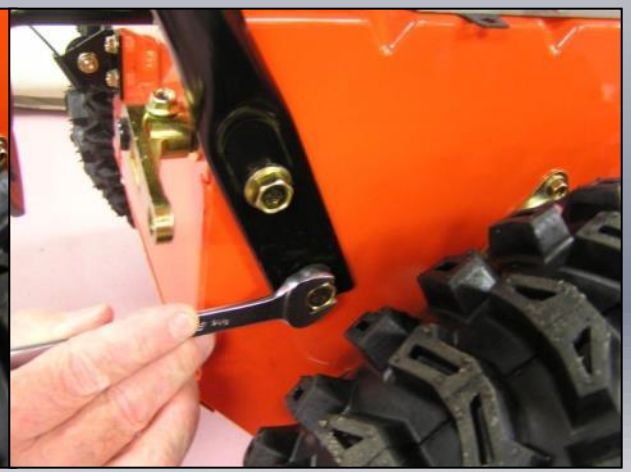
1. Remove wheel pins from each side of the unit and slide wheels away from frame. Do not remove wheels completely.

IMPORTANT: Be sure to block wheels or secure unit so it does not move during assembly.

2. Rotate lower handlebar out from unit so lower handlebar mounting holes align with mounting holes on the unit frame.
3. Secure lower handlebar to unit using two 3/8 in x 3/4 in. hex head serrated flange bolts.
4. Tighten all four bolts to 25-42 lbf-ft (33,9-56,9 N·m)
5. Slide both wheels back into place and reinstall wheel pins.



1. Lower Handlebar
2. Wheel Pin
3. Wheel
4. Mounting Hole

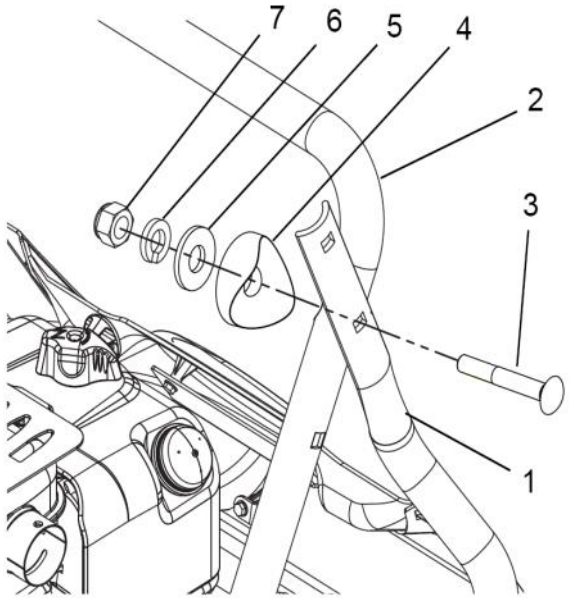


Step One: Assemble Handlebars (Attach Upper Handlebar Assembly)

NOTE: This slide applies to UNATTACHED handlebars ONLY

1. Attach upper handlebar assembly to lower handlebar using two sets of the handlebar hardware. One set to attach each side of the handlebars.

NOTE: DO NOT tighten hardware. Allow upper handlebar assembly to hang from the lower handlebars for the next step.



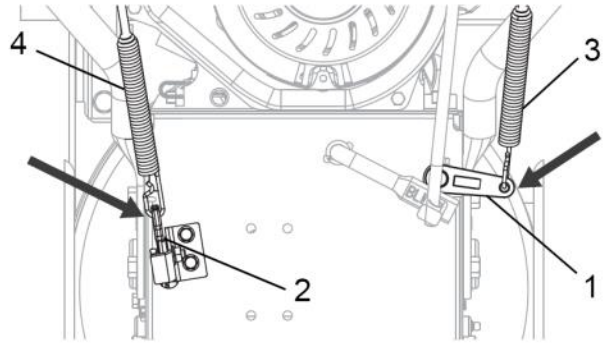
1. Upper Handlebar Assembly
2. Lower Handlebar
3. 5/16 in x 2-1/4 in. Round Head Square Neck Grade 5 Bolt
4. Handlebar Spacer
5. Flat Steel Washer
6. Locking Washer
7. 5/16 in Nyloc Nut

Step One: Assemble Handlebars (Attach Control Cables)

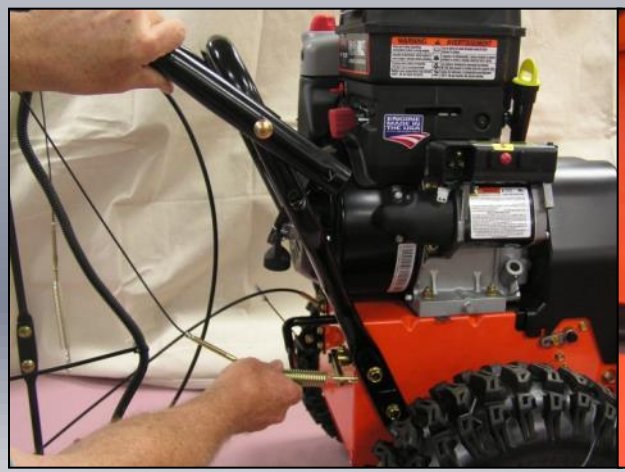
NOTE: This slide applies to UNATTACHED handlebars ONLY

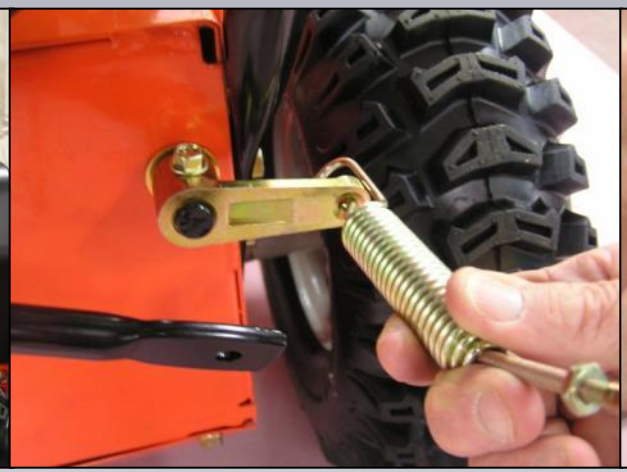
1. Hook spring end of attachment control cable to the clutch arm.
2. Hook spring end of the traction control cable to the cable eyelet on back of frame.

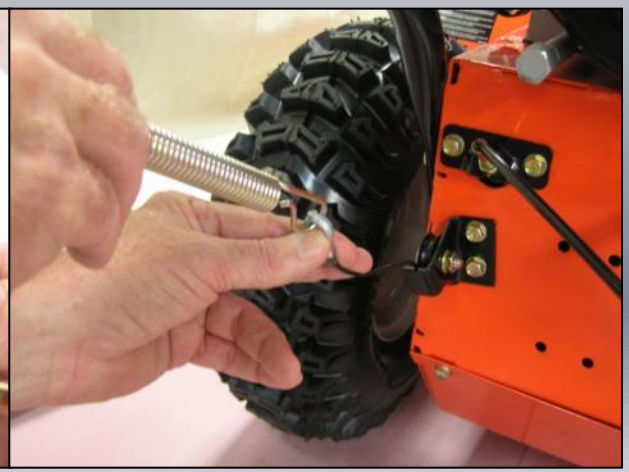
NOTE: Make sure the cable remains in the groove of the pulley.



1. Clutch Arm
2. Cable Eyelet
3. Attachment Control Cable
4. Traction Control Cable







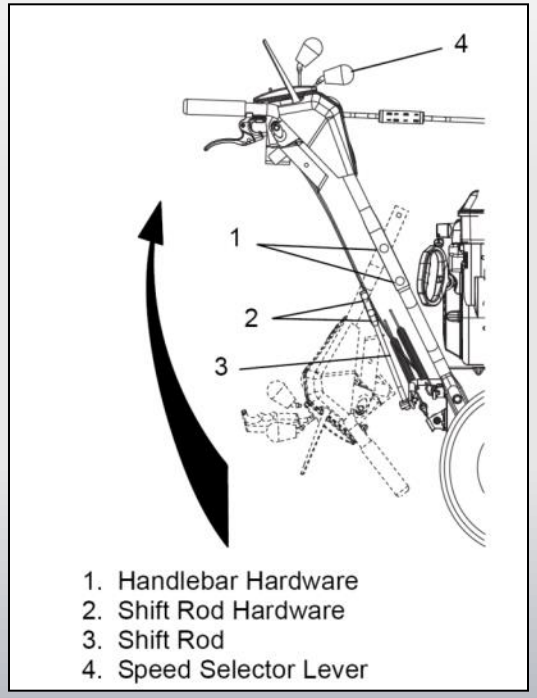
Step One: Assemble Handlebars (Unfold Upper Handlebar)

NOTE: This slide applies to UNATTACHED handlebars ONLY

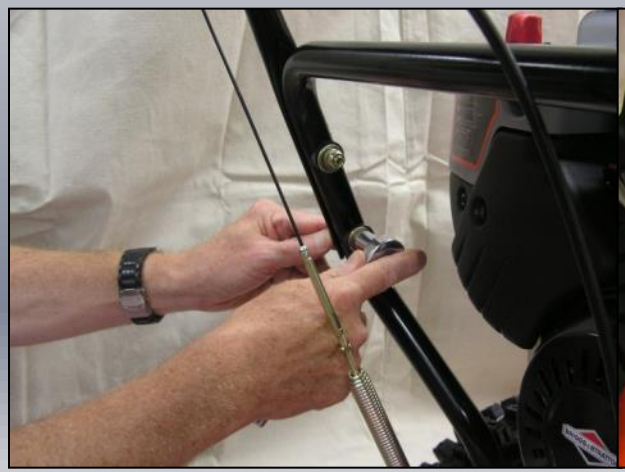
1. Rotate handlebar into operating position.

NOTE: Be careful not to damage cable spring hooks when rotating handlebar upward.

2. Install the remaining handlebar hardware attaching the upper handlebar assembly to the lower handlebar.
3. Tighten all hardware.
4. Remove packaging around shift rod.
5. Rotate shift rod into place and tighten hardware.
6. Connect shift rod to speed selector arm and adjust as specified. See *Selector Adjustment* in the Owners Manual.
7. Adjust attachment cable as specified. See *Attachment Clutch/Brake Adjustment* in the Owners Manual.
8. Adjust the traction cable as specified. See *Traction Drive Clutch Adjustment* in the Owners Manual.



1. Handlebar Hardware
2. Shift Rod Hardware
3. Shift Rod
4. Speed Selector Lever

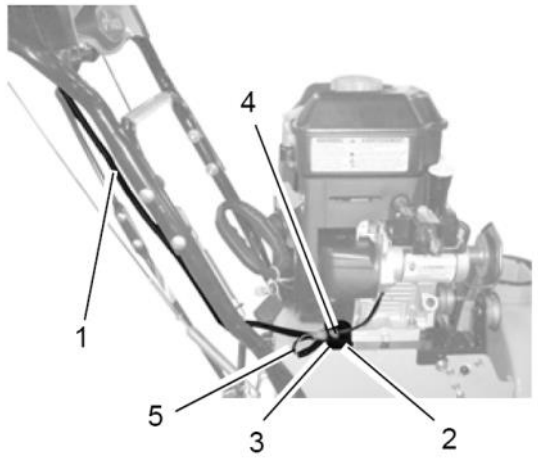


Step One:
(Connect Headlight Wire Harness)

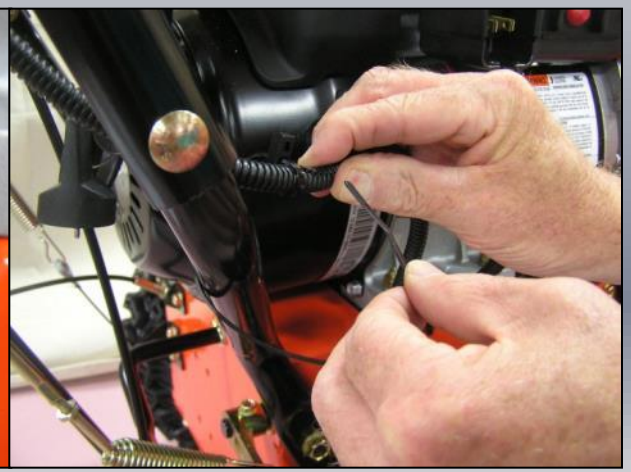
NOTE: This slide applies to UNATTACHED handlebars ONLY

NOTE: The headlight wire harness comes attached to the upper handlebar assembly.

1. Route the wire harness along the interior of the right side handlebar.
2. Connect to the engine electrical plug.
3. Press cable anchor into mounting hole in the frame near the engine electrical plug.
4. Secure the wire harness to the handlebars using the cable ties attached to the wire harness.
5. Gather excess wire harness length and fasten together with cable tie included in literature pack.



1. Wire Harness
2. Cable Tie
3. Cable Anchor
4. Engine Electrical Plug
5. Excess Wire Harness



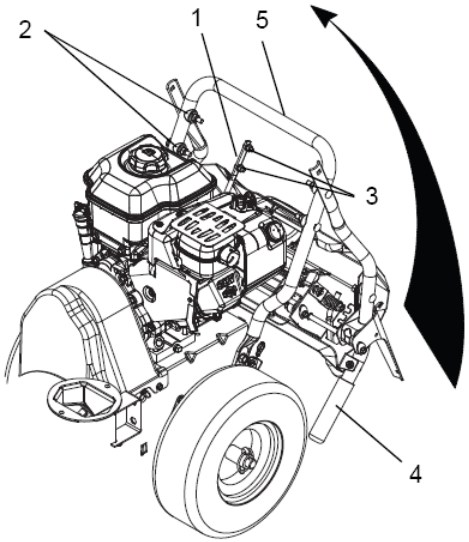
Step One:
Assemble Handlebar

NOTE: This slide applies to ATTACHED handlebars ONLY

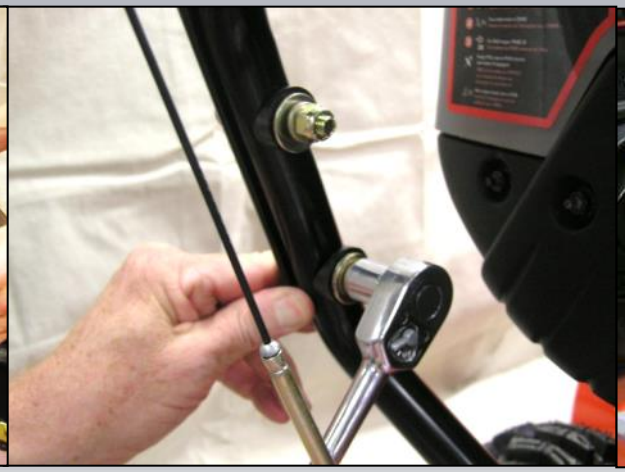
1. Remove the lower and loosen the upper hardware on the handlebar assembly.
2. Loosen the hardware on the shift rod.
3. Put the speed selector lever in the sixth forward position.
4. Rotate the handlebar into operating position.

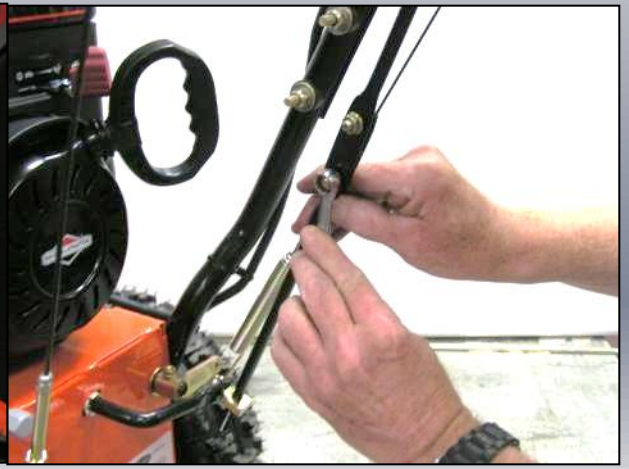
NOTE: Be careful not to damage cable spring hooks when rotating handlebar upward.

5. Install and tighten the hardware on the handlebar assembly and shift rod.



1. Shift Rod
2. Handlebar Hardware
3. Shift Rod Hardware
4. Upper Handlebar Assembly
5. Lower Handlebar

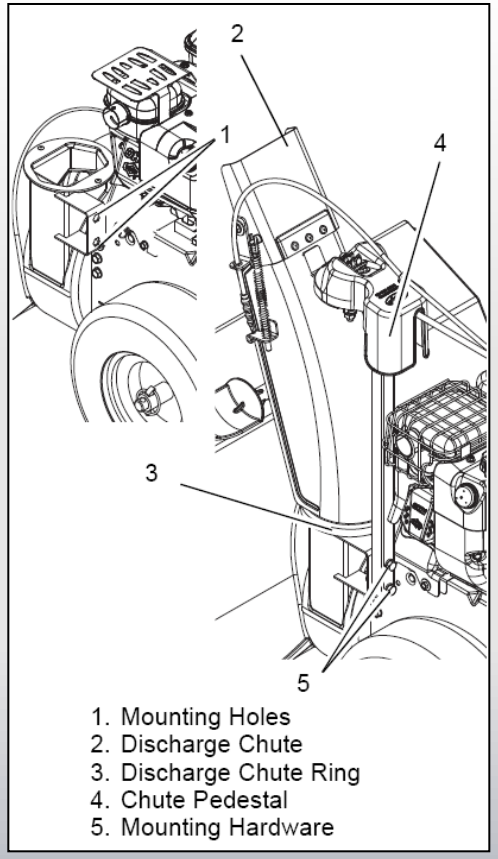




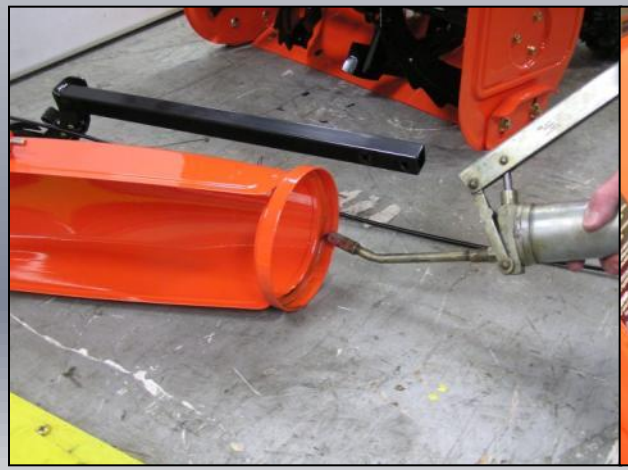
Step Two:
Install Discharge Chute

1. Grease underside of discharge chute ring (if not already greased).
2. Remove mounting hardware from auger housing
3. Install discharge chute over opening in the auger housing. Finger tighten the mounting hardware removed above.

NOTE: Leave discharge chute pedestal loose to help install the chute crank.



1. Mounting Holes
2. Discharge Chute
3. Discharge Chute Ring
4. Chute Pedestal
5. Mounting Hardware

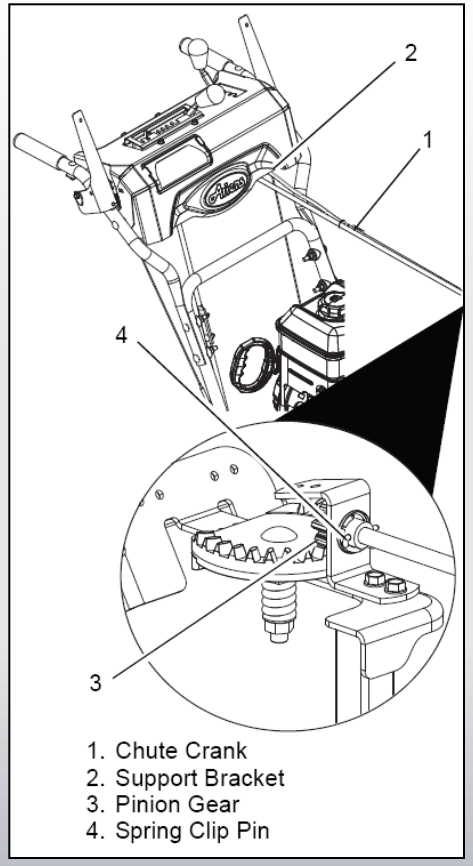


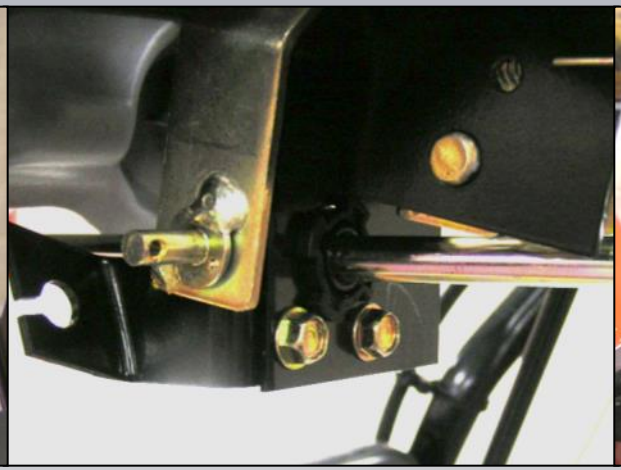
Step Three: Install Discharge Chute Crank

1. Remove gear cover from top of chute pedestal.
2. Slide Chute Crank through the nylon bushing in the support bracket under control panel.

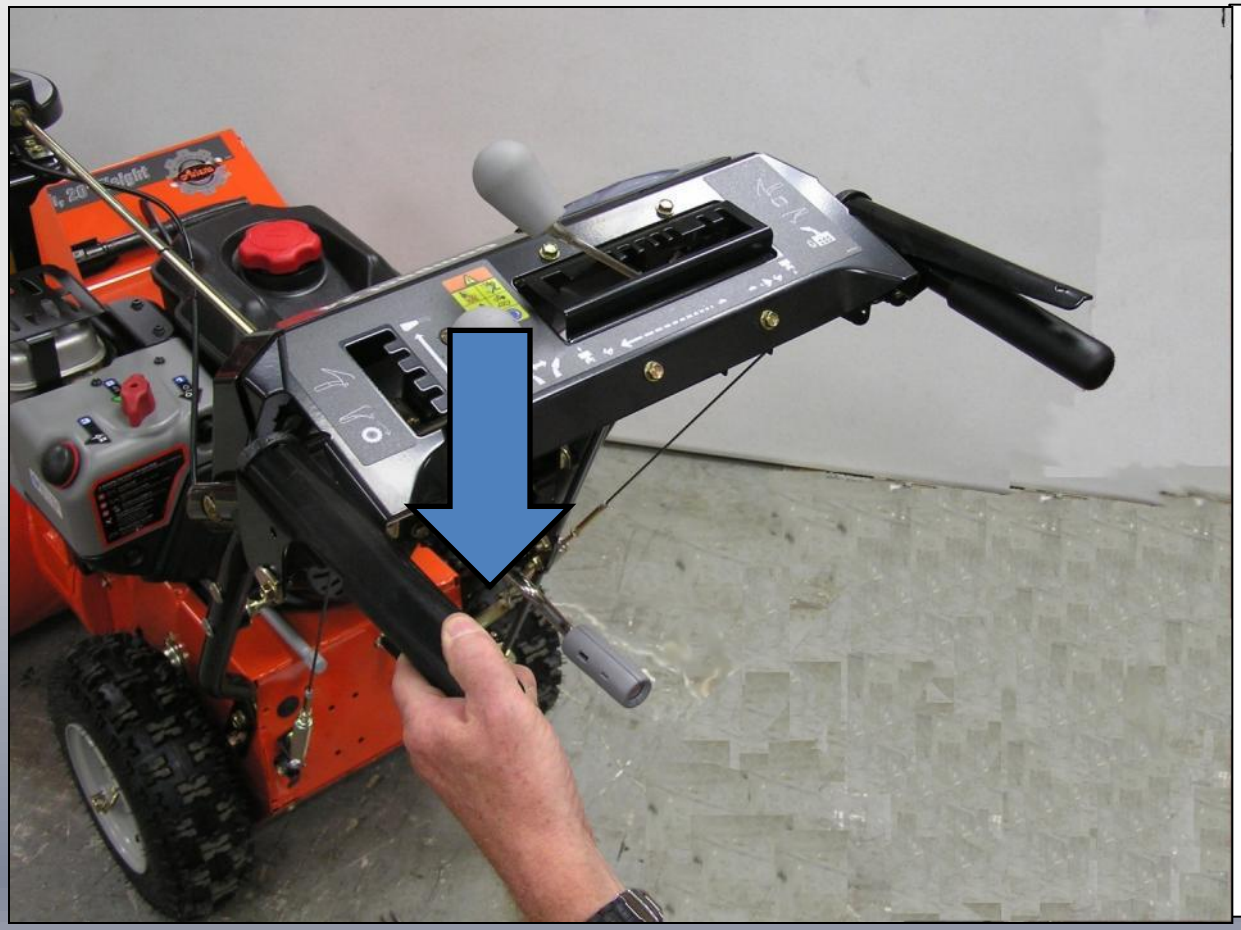
NOTE: Be careful not to damage nylon bushing when attaching crank to the control panel.

3. Connect the chute crank to the pinion gear on discharge chute with spring clip pin.
4. Replace gear cover on top of chute pedestal.
5. Orient the chute and pedestal to its most vertical position and tighten pedestal hardware to 14.8-31.0 lbf-ft (20-42 N·m).





Step Four:
Check Function of Dual Handle Interlock

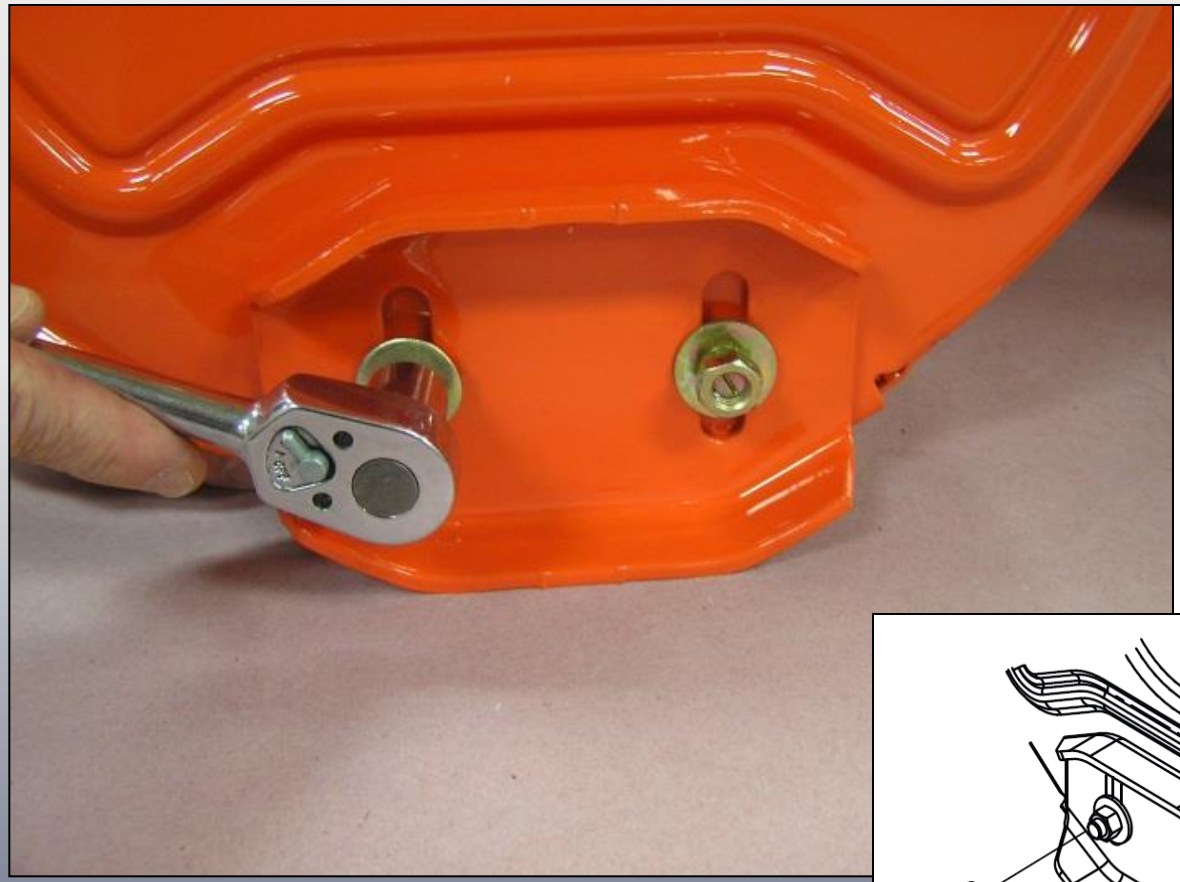


Without the engine running, press down (engage) both clutch levers. Release attachment clutch lever. Attachment clutch should remain engaged until traction clutch lever is released, then both clutches *must* disengage. If they do not, contact your dealer for repairs.

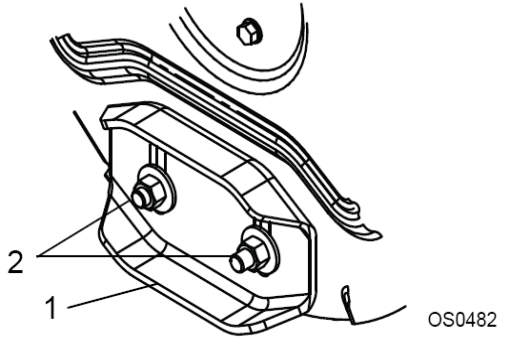
Step Five:
Check Tire Pressure

Check tire pressure and adjust to the pressure listed on tire sidewall.

Step Six:
Adjust Skid Shoes

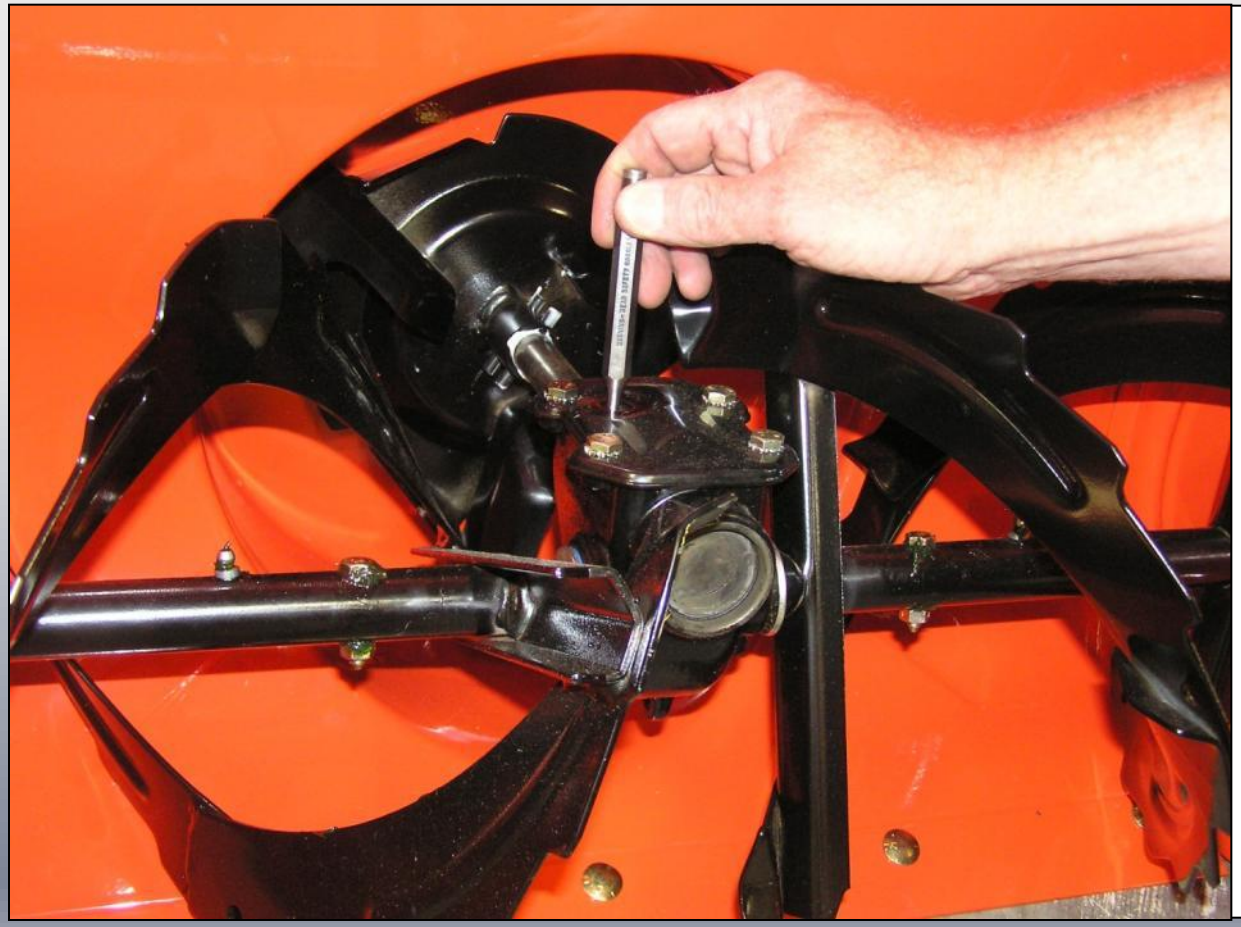


IMPORTANT: Skid shoes should be adjusted as conditions require. Allow 1/8 in. (3mm) between scraper blade and hard smooth surfaces. Allow 7/8 in. (22 mm) between scraper blade and uneven or gravel surfaces. (See *Skid Shoes* in Owners Manual).



1. Skid Shoe
2. Skid Shoe Hardware

Step Seven:
Check Auger Gearcase Oil



Check oil level in auger gearcase
(see *Check Auger Gearcase* in Owners Manual).

Step Eight:
Check Engine Crankcase Oil
(Ariens OHV)

IMPORTANT: The engine is shipped with 5W-30 oil in crankcase. Refer to engine manual for detailed instructions.

Step Eight:
Check Engine Crankcase Oil
Ariens AX

IMPORTANT: The engine is shipped with 5W-30 oil in crankcase. Refer to engine manual for detailed instructions.

Step Nine:
Fill Engine Fuel Tank
(Ariens OHV)

Fill fuel tank. DO NOT OVERFILL! See *FILLING FUEL TANK* in Owners Manual.

Step Nine:
Fill Engine Fuel Tank
(Ariens AX)

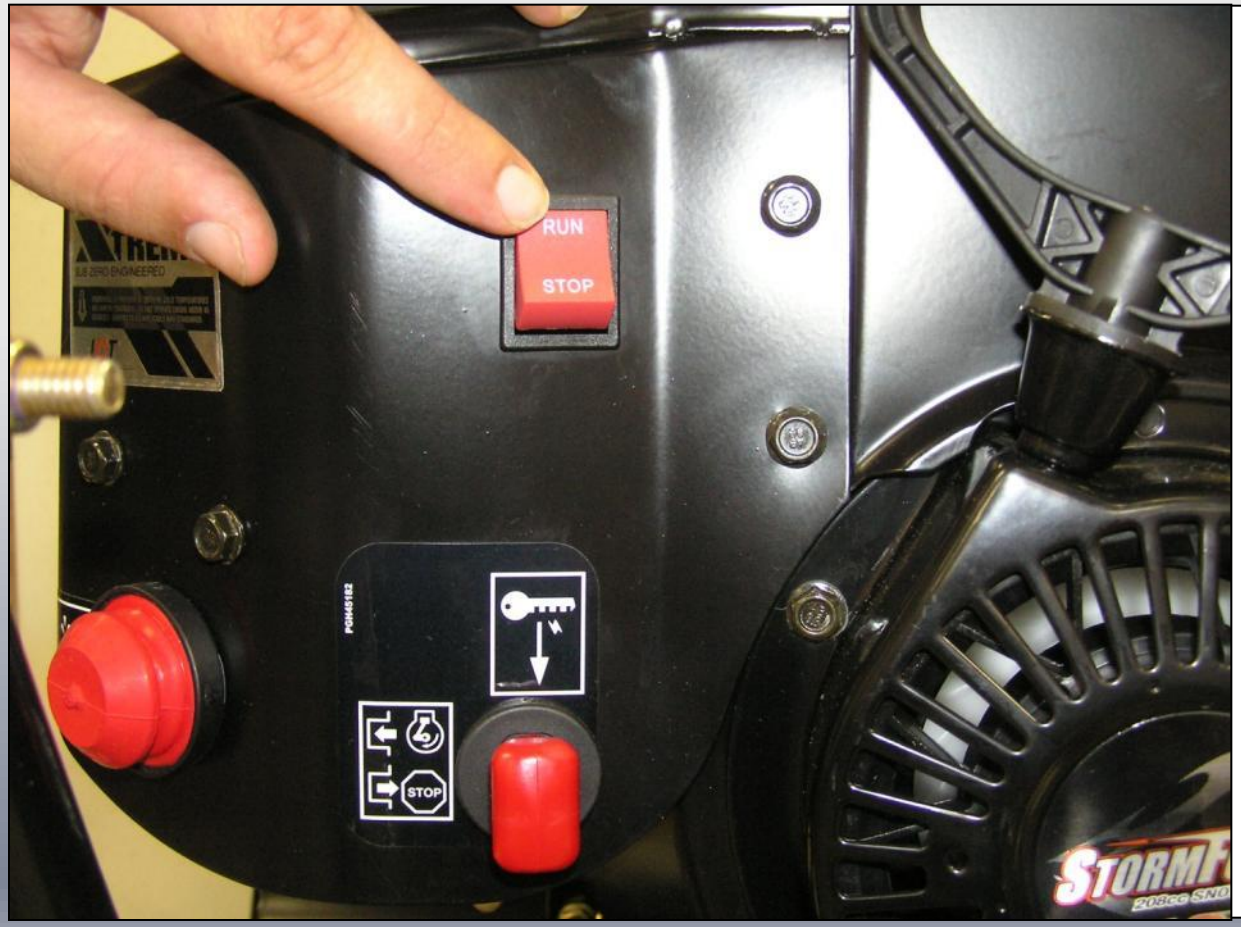
Fill fuel tank. DO NOT OVERFILL! See *FILLING FUEL TANK* in Owners Manual.

Step Ten: Starting the Engine (Ariens OHV)

Starting Engine / Step A: Choke

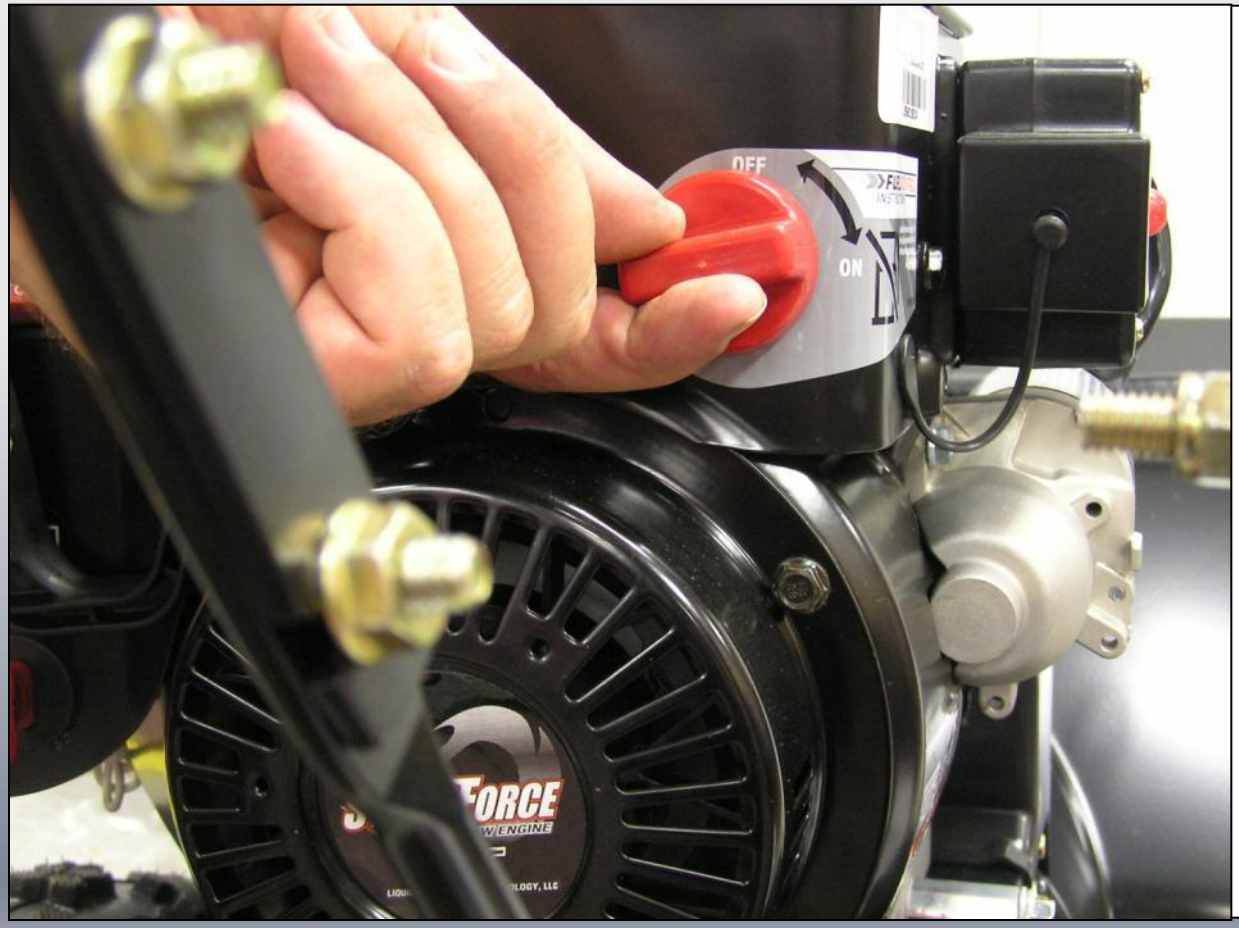
Rotate choke Knob to START position.

Starting Engine / Step B: Rocker Switch



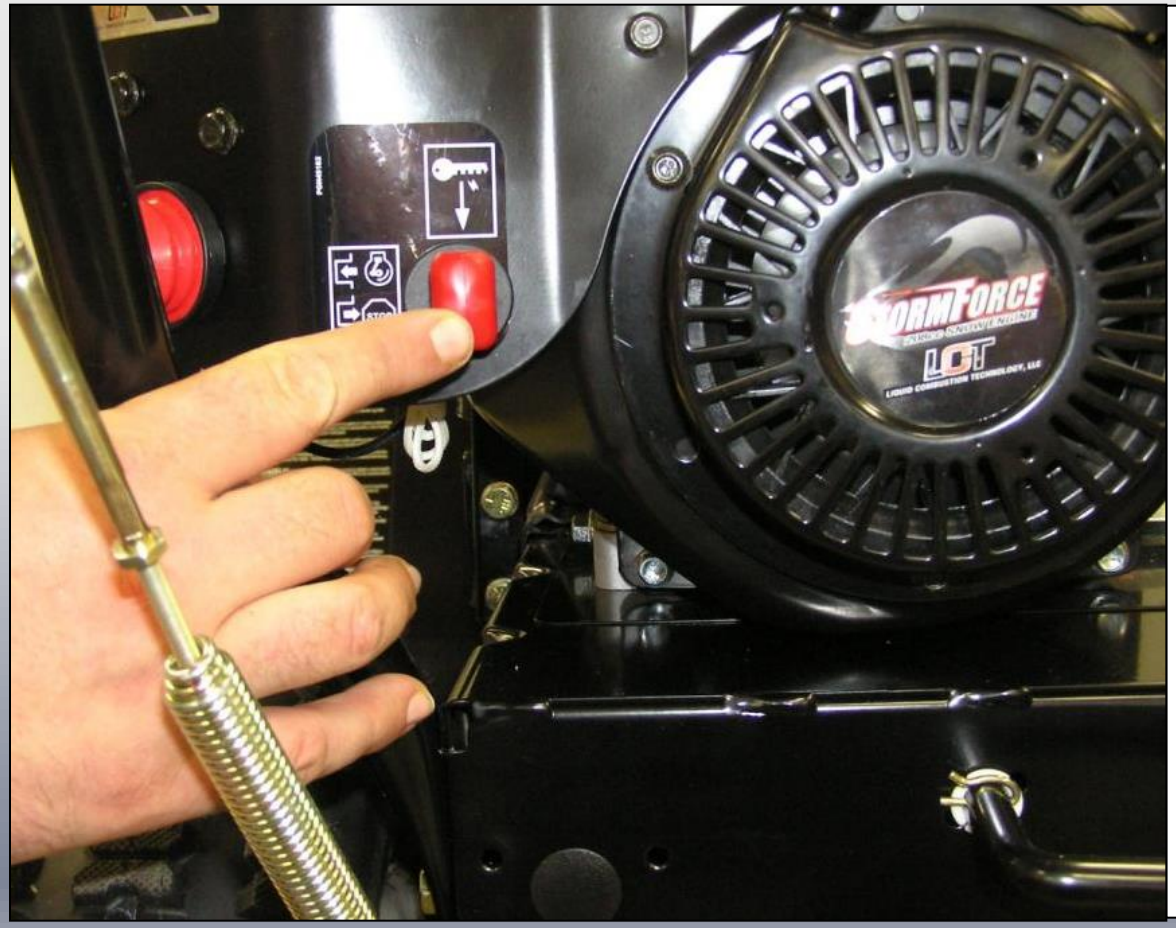
Select RUN on Run/Stop Rocker Switch.

Starting Engine / Step C: Fuel Shut Off Valve



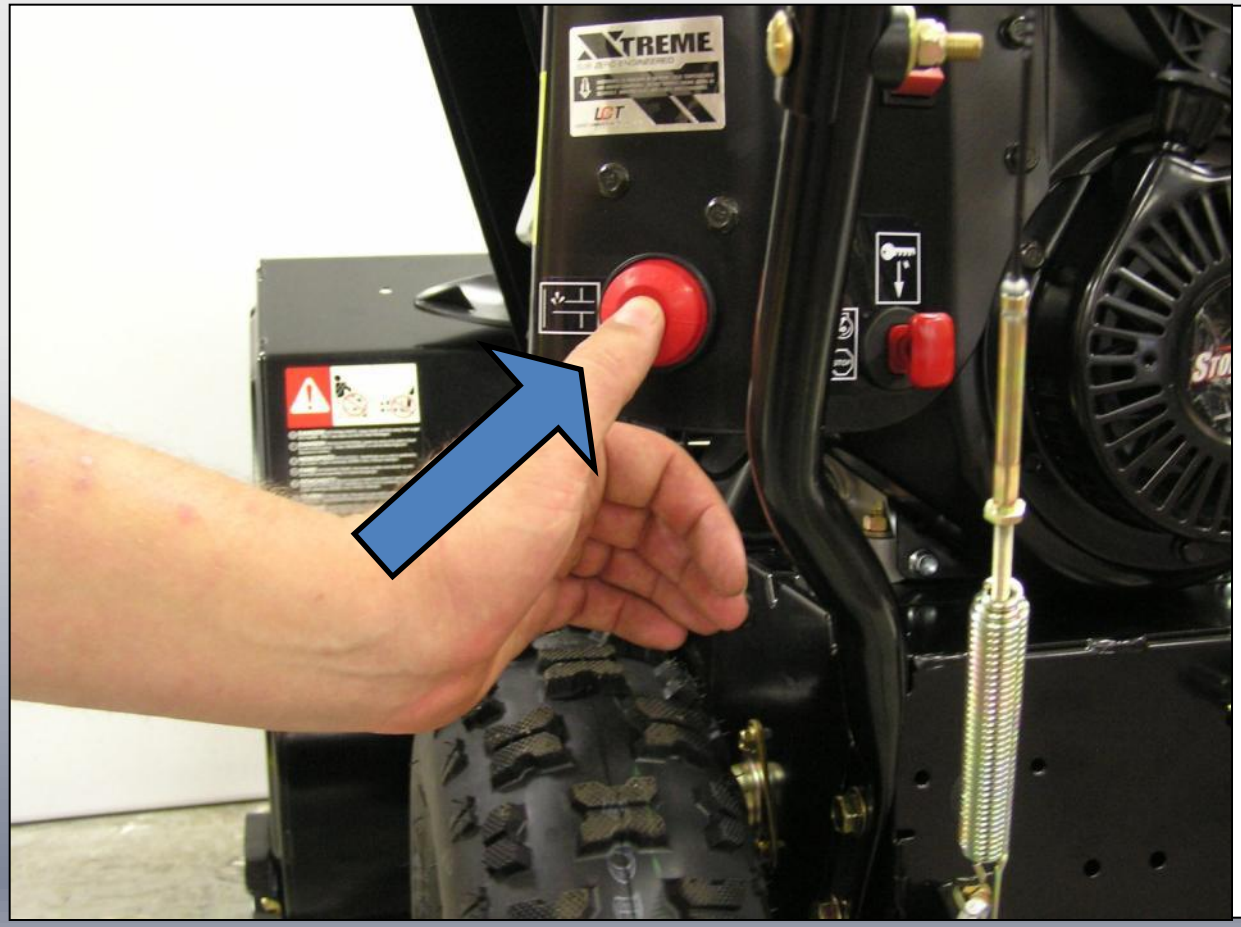
Rotate Fuel Control Knob to ON position.

Starting Engine / Step D: Key



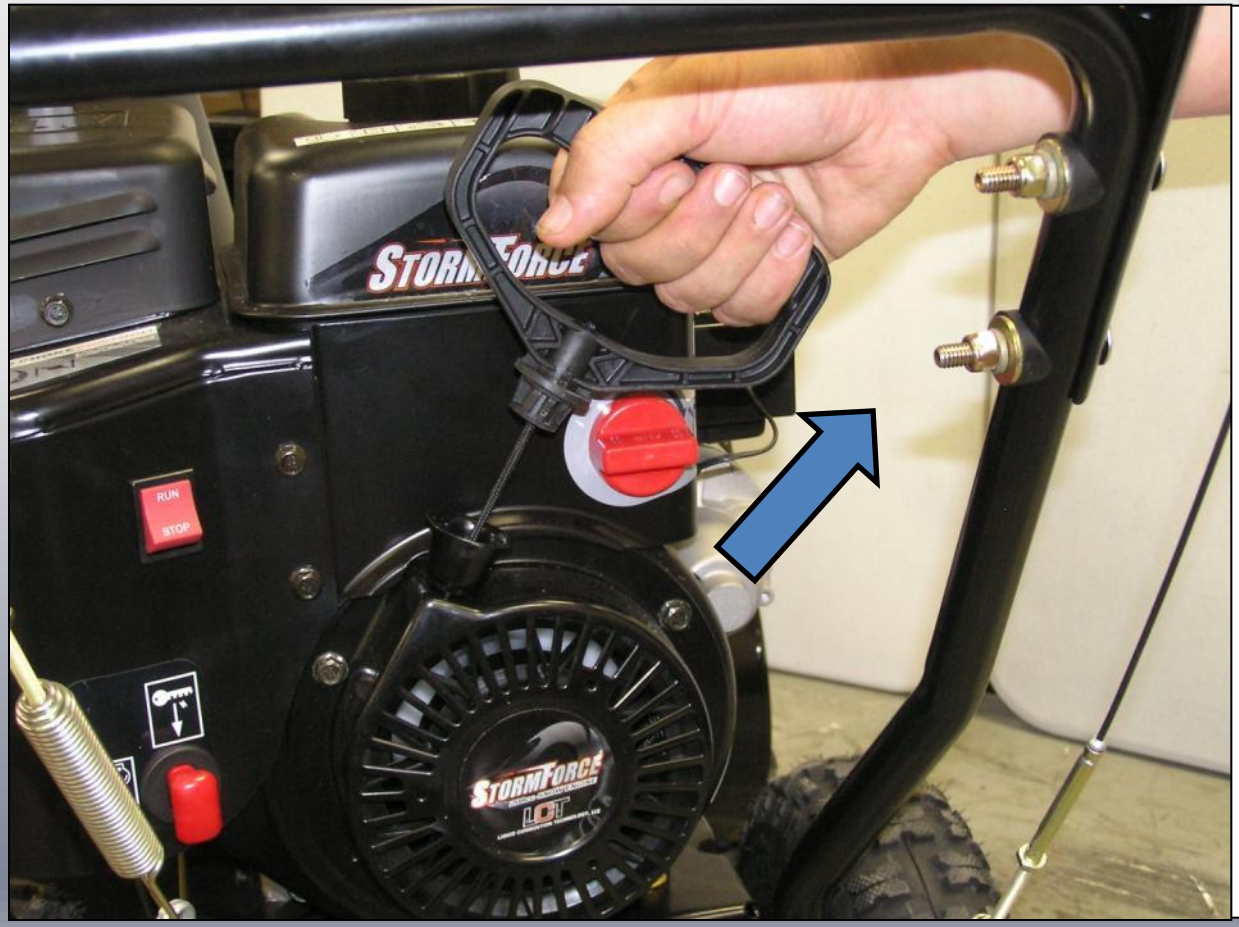
Install Safety Key Switch. Insert Safety Key Switch into slot (DO NOT TURN SAFETY KEY SWITCH). Be sure you feel a “snap” when Safety Key Switch is fully inserted.

Starting Engine / Step E: Prime



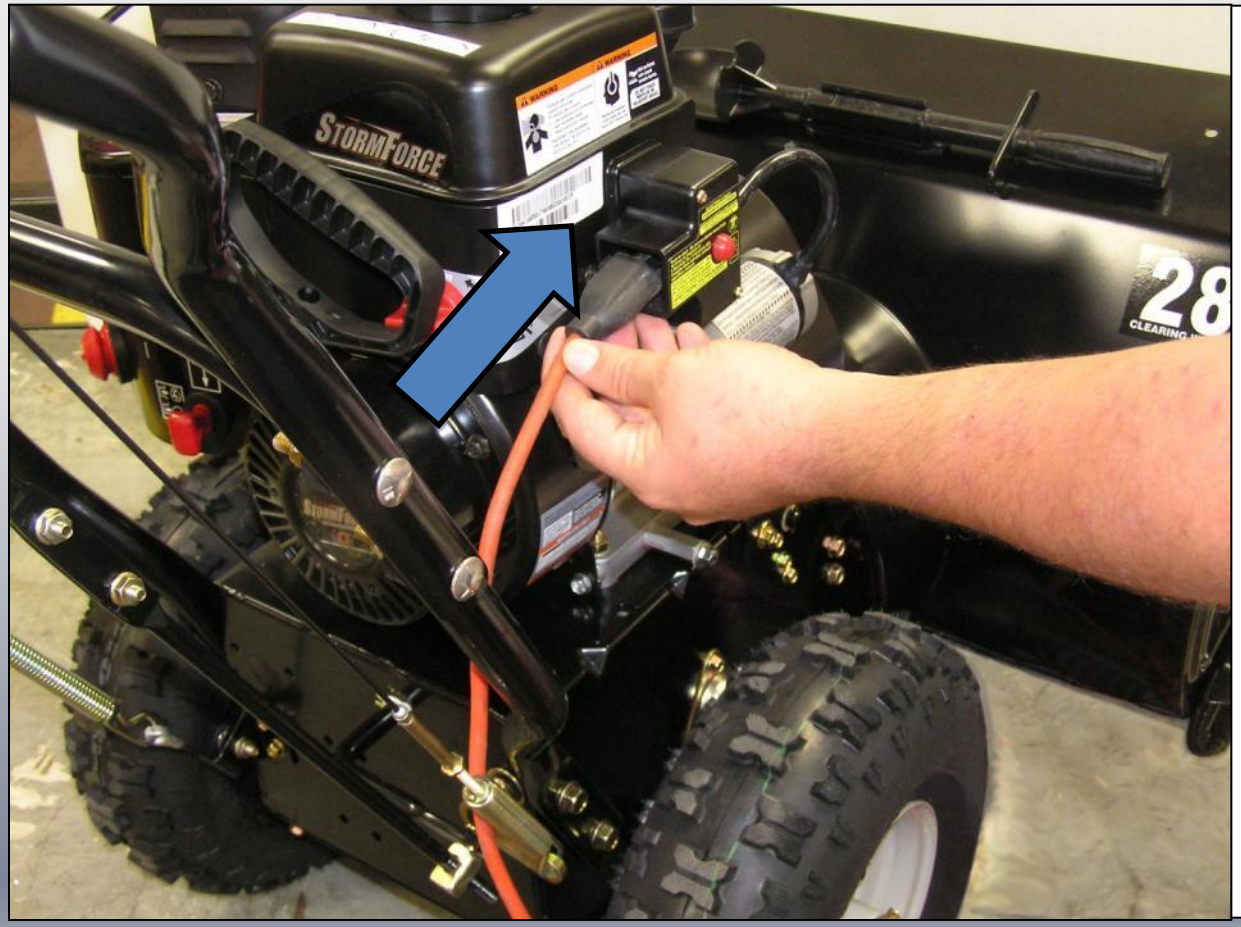
Prime system: 3 primes maximum. DO NOT over prime system. Make sure to cover the vent hole on primer bulb before the primer bulb is compressed. Hold the primer bulb in the compressed position for one full second each time you press it. Repeat for a total of 3 primes.

Starting Engine / Step F: (Manual Start)



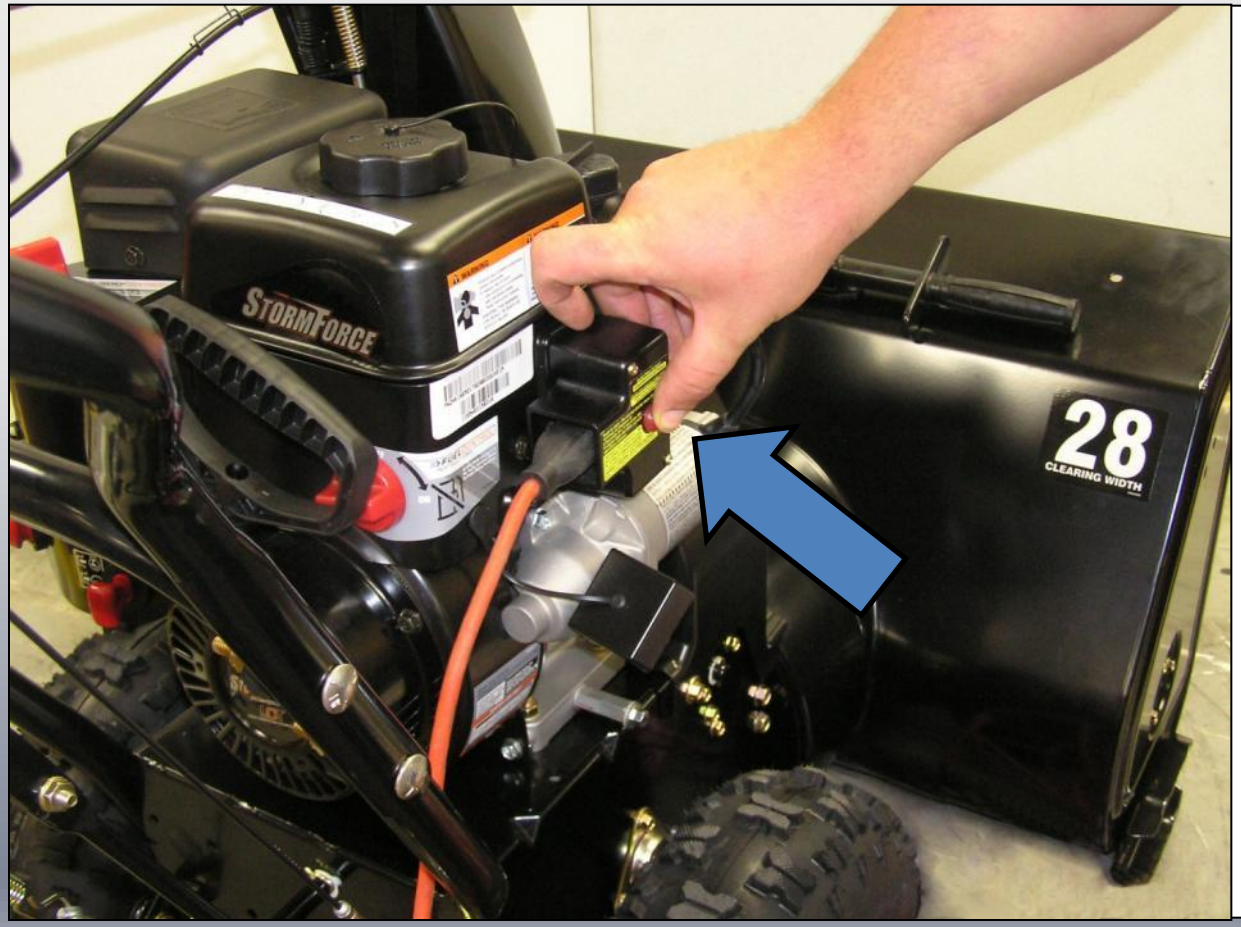
Grasp rope handle. Pull slowly until resistance is felt, then pull rope firmly and quickly to start engine and avoid kickback.

Starting Engine / Step F: (Electric Start)



Use a 3-wire extension cord and plug cord into starter motor adaptor first. Then plug cord into wall receptacle. Use appropriately sized extension cord (a minimum of 16 gage, 3-wire, 13 amp, no longer than 25 feet, and suitable for outdoor use) to prevent damage to electric starter.

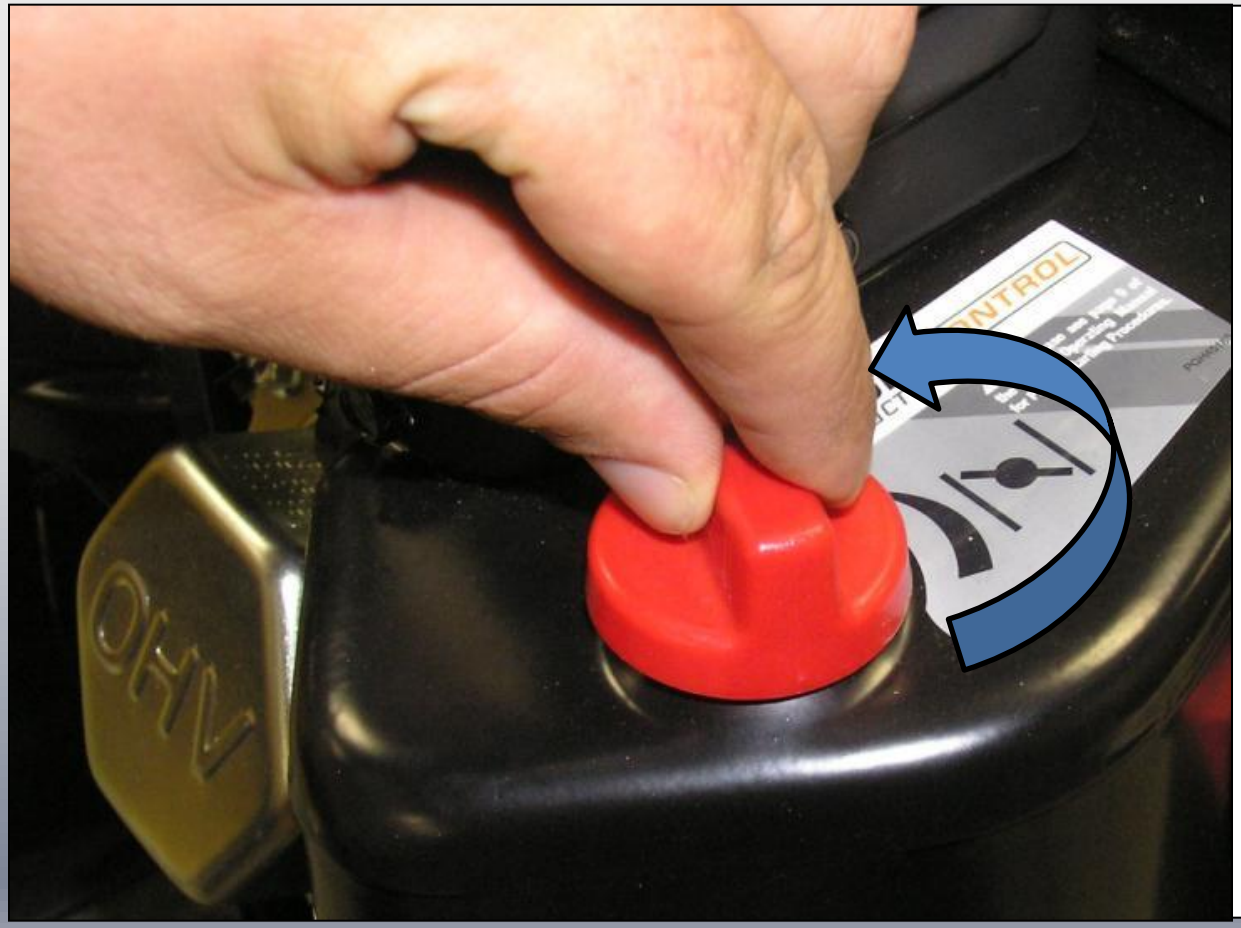
Starting Engine / Step G: (Electric Start)



Press and hold starter button.

Note: Do not hold the electric starter button down for more than 5 seconds. Wait at least 1 minute before additional starting attempts.

Starting Engine / Step H: Warm up



Allow the engine to warm up for approximately 30 seconds before slowly rotating Choke Knob to Run position.

Step Eleven: Stopping the Engine

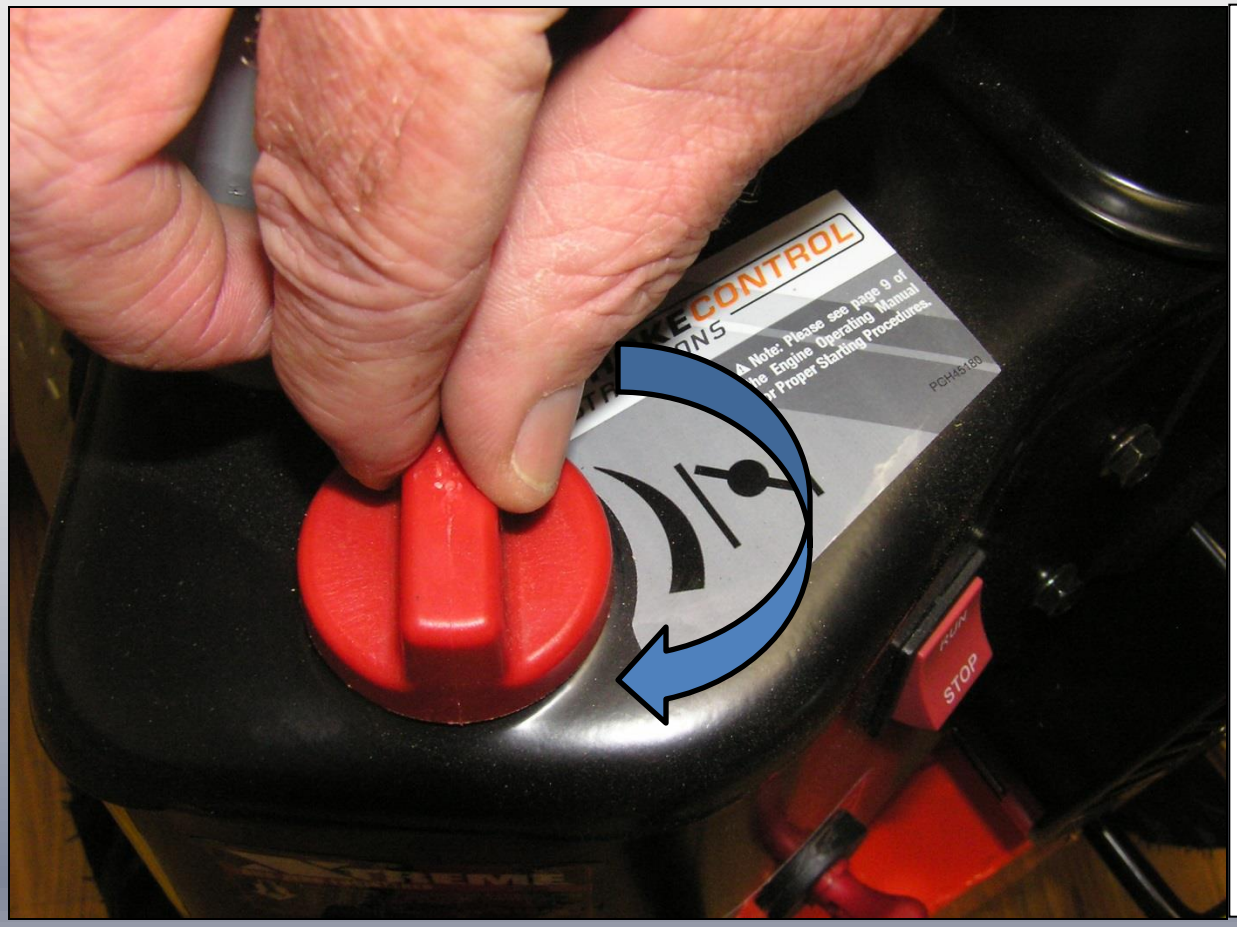
To stop engine in an emergency, flip the Rocker Switch to the STOP position,
OR
Pull Safety Key from Engine.

Under normal conditions:

1. Push rocker switch to STOP position.
2. Pull safety key OUT.

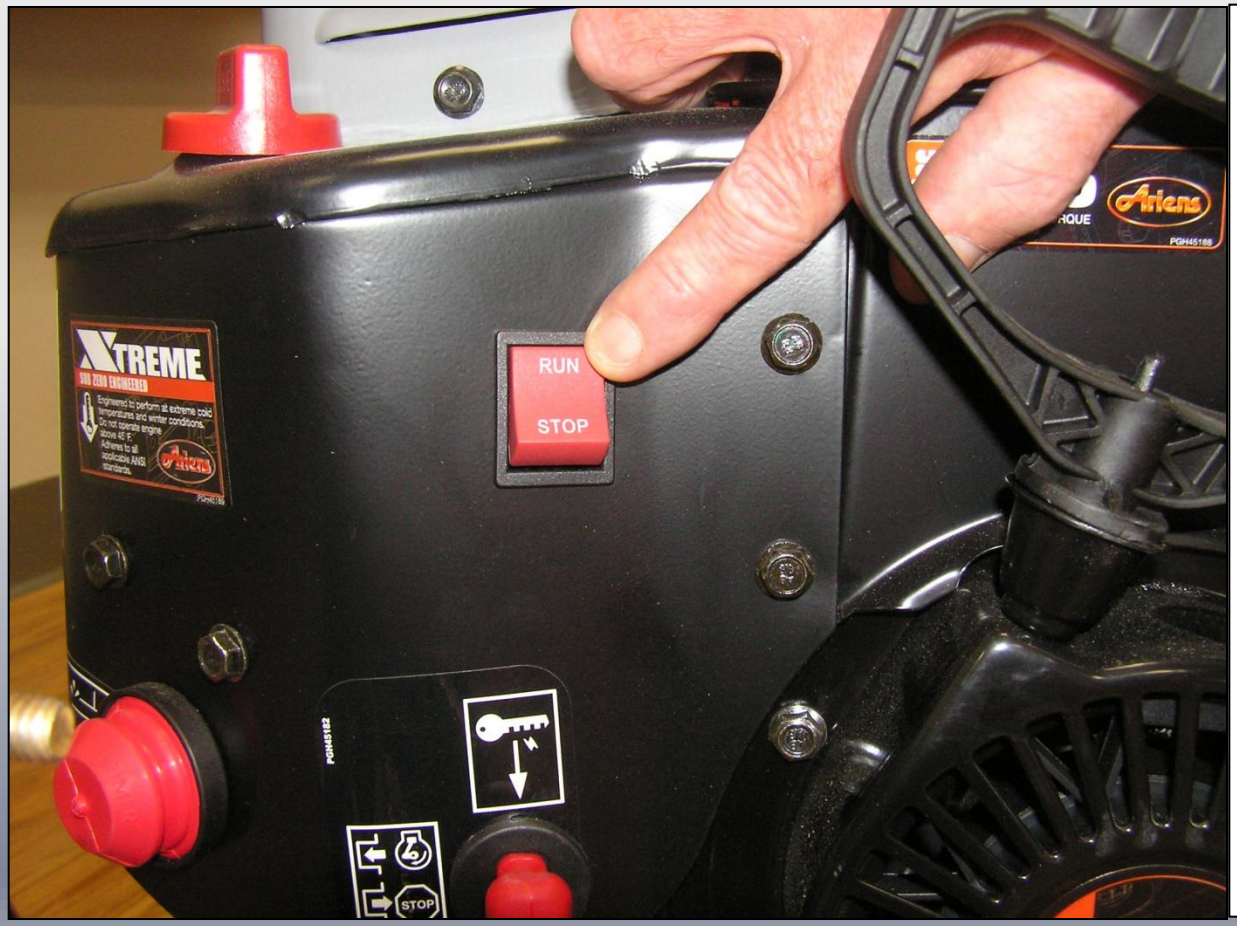
Step Ten: Starting the Engine (Ariens AX)

Starting Engine / Step A: Choke



Turn choke ON.

Starting Engine / Step B: Rocker Switch

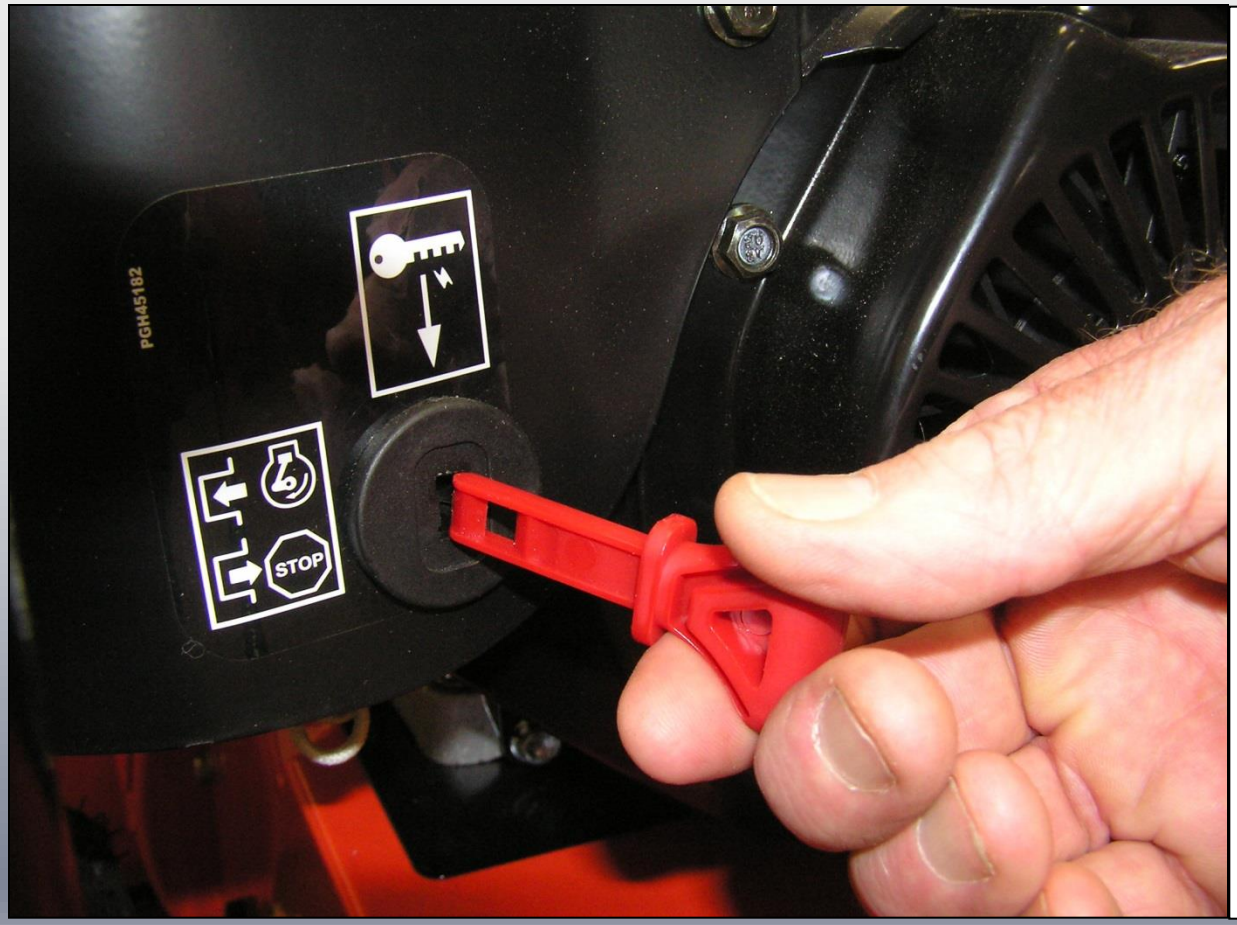


Push rocker switch to RUN position.

Starting Engine / Step C: Fuel Shut Off Valve

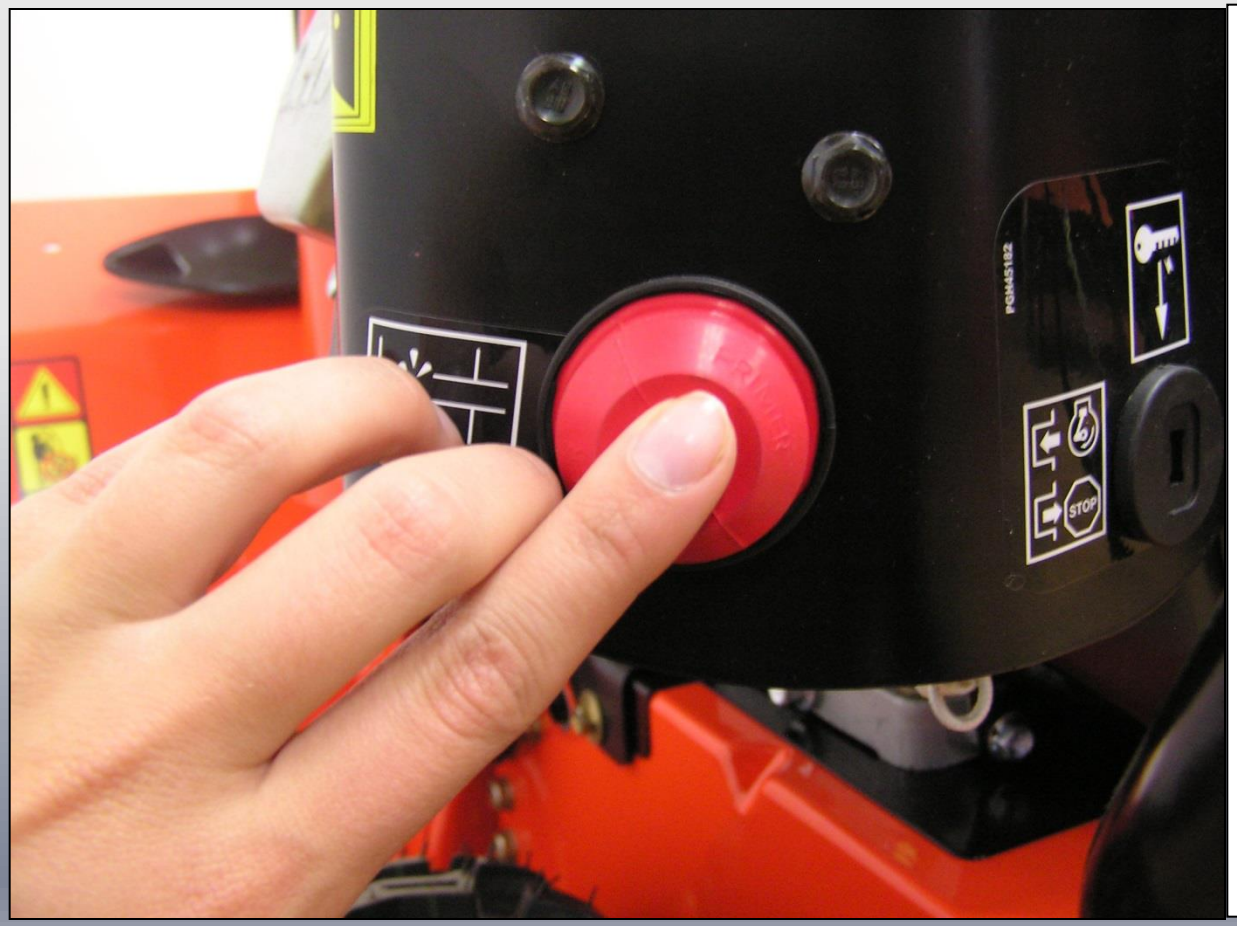
Turn fuel petcock to ON position.

Starting Engine / Step D: Key



Install Safety Key Switch. Insert ignition key into slot but DO NOT turn the key. Be sure ignition key snaps into place.

Starting Engine / Step E: Prime



Prime system: 3 primes maximum. DO NOT over prime system. Make sure to cover the vent hole on primer bulb before the primer bulb is compressed. Hold the primer bulb in the compressed position for one full second each time you press it. Repeat for a total of 3 primes.

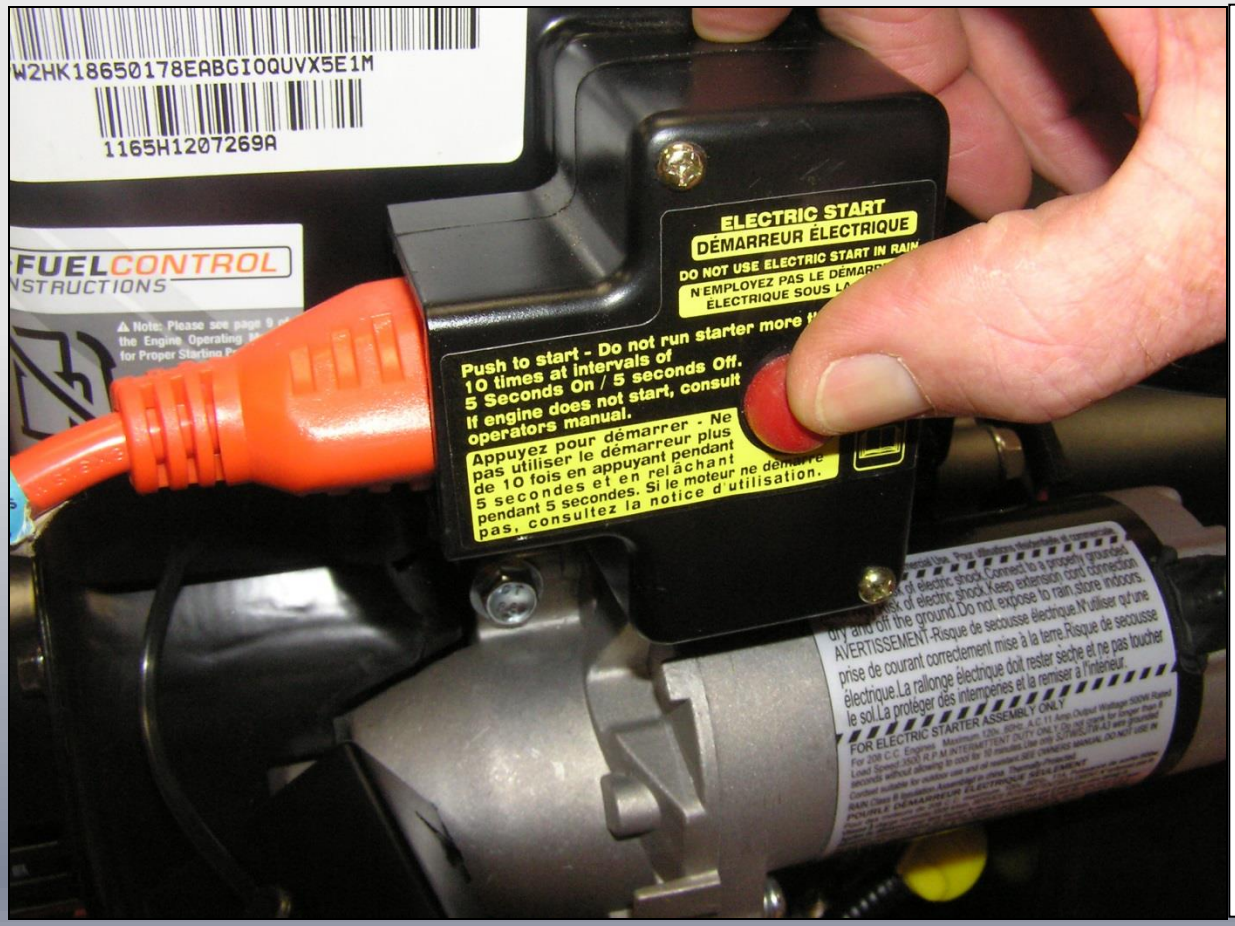
Starting Engine / Step F: (Manual Start)

Grasp rope handle. Pull slowly until resistance is felt, then pull rope firmly and quickly to start engine and avoid kickback.

Starting Engine / Step F: (Electric Start)

Use a 3-wire extension cord and plug cord into starter motor adaptor first. Then plug cord into wall receptacle. Use appropriately sized extension cord (10AWG or larger) to prevent damage to electric starter.

Starting Engine / Step G: (Electric Start)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1165H1207269A
FUELCONTROL
NSTRUCTIONS
ELECTRIC START
DÉMARREUR ÉLECTRIQUE
Push to start - Do not run starter more
10 times at intervals of
5 Seconds On / 5 seconds Off.
If engine does not start, consult
operators manual.
Appuyez pour démarrer - Ne
pas utiliser le démarreur plus
de 10 fois en appuyant pendant
5 secondes et en relâchant
pendant 5 secondes. Si le moteur ne
pas, consultez la notice d'utilisation.
AVERTISSEMENT-Risque de secousse électrique.N'utiliser qu'une
prise de courant correctement mise à la terre.Risque de secousse
électrique.La rallonge électrique doit rester sèche et ne pas toucher
le sol.La protéger des intempéries et la remiser à l'intérieur.
FOR ELECTRIC STARTER ASSEMBLY ONLY

Press and hold starter button.

Note: Do not hold the electric starter button down for more than 5 seconds. Wait at least 1 minute before additional starting attempts.

Starting Engine / Step H: Warm up

Allow the engine to warm up for 1-2 minutes, move the choke control to the CHOKE OFF position.

Step Eleven: Stopping the Engine

To stop engine in an emergency, flip the Rocker Switch to the STOP position,
OR
Pull Safety Key from Engine.

Under normal conditions:

1. Push rocker switch to STOP position.
2. Pull safety key OUT.

Additional Resources

- Refer to Owners Manual and Engine Manual
- Contact Ariens Company

  www.ariens.com

  Phone: 920-756-4688

  E-mail: info@ariens.com

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